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PATENT ABSTRACTS OF JAPAN(21) Application number: **05035299**(51) Intl. Cl.: **A46B 13/02 A61C 17/22 A61**(22) Application date: **24.02.93**

(30) Priority:		(71) Applicant: SEIKOSHA CO LTD
(43) Date of application publication:	06.09.94	(72) Inventor: AMAKASU MIKIO
(84) Designated contracting states:		(74) Representative:

(54) MOTOR OPERATED TOOTH BRUSH

(57) Abstract:

PURPOSE: To provide a simple-structure and inexpensive motor operated tooth brush that has a higher tooth brushing ability by giving reciprocating motion to an attachment along its shaft and rotational motion to a brush.

CONSTITUTION: A drive shaft 8 is supported within a case 1 so that the shaft can move freely in the longitudinal direction, the rotation of a drive motor 2 within the case 1 is converted into a reciprocating motion by first motion conversion mechanisms 4a and 7 and is transmitted to the drive shaft 8, and this shaft 8 is connected to an extension bar 15 which has a rotatable brush 11 at its head. The reciprocating motion of the extension bar 15 is converted into a rotational motion by second motion conversion mechanisms 13 and 18, and is transmitted to the rotatable brush 11.

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